INDEX TO VOLUME XXIX.

A.

Acid, prussic, apparatus for obtaining, 244.
Agassiz's "Researches on fossil fish," 363.
Alum shale of England, plesiosaurus in, 364.
Americas, Rafinesque's history of, 394.
Ammelid, 373.
Ammeline, 373.
Analysis of commercial potash, 266.
———— deutarseniuret of nickel, 241.
———— the water of the "white Sulphur," 95.
Andes, ancient race of men in, 358.
Animal bodies, new mode of preserving, 359.
Argillaceous iron ore in Ohio and Kentucky, 126, 129, 134, 135, 137, 139.
Asbestos, fibrous blue, from South Africa, 233.
Assay of ores of manganese, 374.
Aurora borealis, 348, 388.

B.

Bache, Prof. A. D., on meteors of Nov. 13, 1834, 383.
Baltic, gradual rising of countries around the, 363.
Beck, Prof. L. C., on Commercial Potash of the State of New York, 260.
Belemnites, found in certain strata, 351.
Berzelius, Prof., on rising of land around the Baltic, 363.
Birds, American, 291.
—— in Fulton Market, New York, 293.
—— remains in strata of Tilgate forest, 362.
—— tracks in new red sandstone, Mass. 307.
Bituminous coal deposits in Ohio, 1, 39, 50, 123.
———————— in Pennsylvania, 64, 68, 77, 147.
Blake, Eli W., on the theory of the resistance of fluids, 274.
Booth, Jas. C., on deutarseniuret of nickel of Riechelsdorf, Hessia, 241.
Botanical specimens wanted, 393.
Botany, new works on, 167.
Breccia, calcareous, 43.
British Association, Proceedings of the fifth meeting, 347, 366.
British Association, Report of the fourth meeting, 355.
Browne, D. J., physical observations on board ship Erie, between New York and Rio Janeiro, 237.
Burrh millstone deposit in Ohio, 142.

C.

Cabinet of minerals, Baron Lederer's, for sale, 392.
Cannel coal in Ohio, 39.
Caricography, Prof. Dewey on, 245.
Carson, Alan W., on currents in water, 340.
Cast iron, hot blast in production of, 356.
Champion, Rev. George, on topography, scenery, and geology of the region around Cape of Good Hope, 230.
Chemistry, new works on, 167.
Chlorine and hydrogen, explosive reaction of, in solar rays, 243.
Chronometers of Parkinson & Frodsham, 297.
Climate of the valley of the Kenawha, 89.
Coal, cannel, in Ohio, 39.
Coal deposits, bituminous, in the valley of Ohio, 1, 123.
————————, in Meig's co. Ohio, 50.
Coal deposits on Monongahela river, 64.
———————— of Pennsylvania, 77.
———————— of Pittsburgh, 68.
———————— at the salines of Kenawha, 104.
———————— at Wheeling, 80.
Coal measures in Kentucky, 140.
———————— in Tennessee, 141.
Coal plants, 165.
Coal, use of, in steam engines, 351.
Coins and medals, 156.
Color of the ocean, 240.
———————— sky, 239.
Comet, Halley's, observed at Yale College, 155.
Conrad's new work on Naiades, 391.
Copperas, manufacture of, 126.
Copper ores, roasting of, 374.
Currents in water, 340.

D.

Day, Mr. Henry N., on a new mode of preserving animal bodies, by petrifaction, 359.

Deinotherium, models of teeth of, 362.
Depth of mines, 374.
Deutarseniuret of nickel of Riechelsdorf, 241.
Dewey, Prof. C., on caricography, 245.
Diamonds in North America, 394.
————, matrix of, 366.
————, nature of, 366.
Dip of the compass needle, 353.
Dodo, cast of the head, 362.
Draper, J. W., on coins and medals, 157.

E.

Echinus, fixation of the spines of, 353.
Education of children, 349.
Electrical currents, influence of terrestrial magnetism and electro-dynamic magnets on chemical action of, 369.
Electricity, retained in a vacuum, 354.
Electro-dynamic magnets, influence on chemical action of electrical currents, 369.

F.

Fata Morgana, at Gibraltar, 214.
Ferruginous deposits in Ohio and Kentucky, 129.
Fish, fossil, 351.
————, Agassiz's researches on, 363.
Flora, fossil, of N. America, new work on, 393.
Fluids, resistance of, 274, 351.
Forces, parallelogram of, 345.
Forest, fossil, near Glasgow, 352
—— trees in the valley of Ohio, 14.
Fossil columnar madrepore, 99.
—— fish, 351.
————, Agassiz's researches on, 363
—— flora of N. America, Rafinesque's work on, 393.
—— forest, near Glasgow, 352.
—— mammalia, 146.
—— organic remains of coal measures, &c. in Hildreth's account of the valley of Ohio, 149, &c.
Fossil plants in the valley of Ohio, 1.
—— trees in sandstone, 49, 112.
Fox, Charles, on some American birds, &c., 291.

G.

Galvanic machine, 354.
Gauly river, geology and topography of, 98.
Geological Society of Penn., Transactions of, part II, 391.
Geology, Lyell's, 4th London edition, 368.
Geology of a part of England and Wales, 352.
———— Monte Video, South America, 240.
Geology of the Cheat and Greenbrier Mountains, 63.
———— Gauly river, 98
———— Kiskiminitas, 74.
———— Lakes and valley of the Mississippi, 201.
———— Monongahela, 58.
———— Muskingum, 15,
———— valley of the Ohio, 1.
———— vicinity of Cape of Good Hope, 230.
German journals, notice of, 375.
Gibson, Judge J. B., on the geology of the Lakes and valley of the Mississippi, 201.
Good Hope, topography and geology of the vicinity of, 230.
Grotto of plants in Ohio, 18.
Guyandott and Sandy rivers, topography of, 126.
————, geology and mineralogy of, 128.

H.

Halley's Comet, 155.
Hanging rock, 139.
Hare, Prof. R., apparatus for obtaining prussic acid, 244.
————, on explosive reaction of hydrogen and chlorine in solar rays, 243.
Hawkins' collection of Saurian remains, 367.
Heat of the sun, 349.
——, long continued effect of, on minerals, 357.
Hildreth, Dr. S. P., on the bituminous coal formation of the valley of Ohio, and its organic remains, vegetable and animal, 1.
Hitchcock, Prof. E., on foot marks of birds, ornithichnites, on new red sandstone of Massachusetts, 307.
Hockhocking Valley, topography of, 146.
Hosack, obituary of, 395.
Human remains in England, 364.
————, new mode of preserving, 359.
Hydatids in human muscles, 353.
Hydrogen, explosive reaction with chlorine in the sun's rays, 243.

I.

Idria, quicksilver mines of, 219.
Iguanodon, cast of a tibia of, 362.
Indiana, meteorological notices in, 294.
Ireland, topaz in, 374.
Iron, application of hot blast in producing cast, 356.
Iron ores in Kentucky, Ohio, &c., 126, 129, 134, 137, 139.
Ischil Salt mountains, 225.

J.

Journals, German and Swedish, 375.

K.

Kenawha rivers, topography and geology of, 83, 86. 87, 100, 102.
——— salines, 113.
——— salt manufactory, history of, 117.
Kiskiminitas and Connemaugh, topography and geology of, 71.

L.

Lake on Peter's mountain, Va., 97.
Lederer's, Baron, cabinet of minerals for sale, 392.
Lias, occurrence of, in North America, 211.
Lias, white, 40.
List of new publications, 396.
Lydian stone in Kenawha valley, 110.
Lyell's geology, 358.

M.

Madrepore, fossil columnar, 99.
Maerenhant on Polynesian islands, 290.
Magnetism, terrestrial, its influence in producing the chemical action of electrical currents, 369.
Manganese, assaying of the ores of, 374.
Mantell, G., on remains of birds in Tilgate Forest, 362.
——— specimens from, 362.
Massachusetts, bird tracks on new red sandstone of, 307.
Mathematics and Astronomy, new works on, 400.
Matrix of diamond, 364.
Meigs county, Ohio, coal deposit in, 50.
Melam, a new substance, 372.
Melamine, 372.
Mellon, a new substance, 371.
Men, ancient race of, in the Andes, 358.
Mercaptan, 368.
Meteoric phenomena of Nov. 13th, 1834, 168.
Meteorological notices in Indiana, 294.
——— observations, 238.
Meteors of Nov. 13, 1833, Prof. Olmsted on, 376.
——— 1834, Prof. Bache on, 383.
Mineralogy and geology, new works on, 164, 397.
Mineral springs of Virginia, 94, 96.
Minerals, cabinet of, for sale, 392.
——— effects of long continued heat of, 357.
Mines depth of, 374.
Mississippi, geology of the valley of, 201.
Monongahela, topography of the valley of, 51.
Monte Video, (S. A.) geology of, 240.
Montezuma's battle axe, 229.
Moodus noises, at Haddam, 364.
Morton, Dr. S.G., description of organic remains in Dr. Hildreth's account of the geology of the Ohio valley, 149.
Mountains, height of, 355.
Mucedinea, new species of, 367.
Muriatiferous rocks in Ohio, 26, 48.
——— Kenawha, 113.
——— Kentucky, 140.
Muscles, hydatids in human, 353.
Muskingum, geology and topography of the valley of, 9, 15.

N.

Naiades, Conrad's new work on, 391.
Natural history, new works on, 162, 396.
——— notices in, 304.
——— philosophy, new works on, 168, 400.
Needle, compass, dip and polarity of, 353.
New publications for 1835, 161.
——— list of, 396.
—— red sandstone in Massachusetts, bird tracks on, 307.
—— River, Va., cliffs of, 91.
Nickel, deutarseniuret of, 241.
Nitrogen, new compounds of, 371.
North magnetic poles, revolution around the poles of the earth, 352.

O.

Obituary of Benjamin Vaughan, 395.
——— Dr. Hosack, 395.
Ocean, color of, 240.
——— temperature of, 238.
Ogden, Lieut. H. W., on water spouts, 254.
Ohio, bituminous coal formation in the valley of, 1.
Olmsted, Prof., on aurora borealis, 388.
——— meteors of Nov. 13th, 1833, 376.
——— zodiacal light, 379.
Oolitic limestone under the coal in Tennessee, 142.
Ores of copper, roasting of, 374.
——— iron, 126, 135, 137.
——— manganese, assaying of, 374.
Organic remains of the bituminous coal formation in Ohio, Kentucky, Tennessee, and Pennsylvania, 1.
Ornithichnites, 307.
Ornithichnology, 307.
Otaheite, notice of, 283.
Owen, D. Dale, meteorological notices in Indiana, 294.

P.

Parallelogram of forces, 345.
Parkinson and Frodsham on chronometers, 297.

Peat mosses, age of, 349.
Pennsylvania, bituminous coal formation of, 77.
——— Geological Society, transactions of, 391.
Petroleum, 86, 121, 129.
Physical observations at sea, 237.
Plants, fossil coal, of Ohio, &c. 1.
Plesiosaurus in the alum shale of England, 364.
Polynesian islands, new work on, 290.
Potash, adulterations of, 261.
——— manufacture of, 261.
——— of commerce in New York, 260.
Potassa, separation of, from soda, 273.
Preservation of animal bodies by petrifaction, 359.
Prussic acid, apparatus for, 244.
Putnam hill, section of, 30.

Q.

Quicksilver mines of Idria, 219.

R.

Rafinesque, Prof., works of, 393.
Railroad tunnel, 73.
Rain, proportions of, at different heights in the atmosphere, 354.
Red Sulphur Spring, 96.
Resistance of fluids, 274, 351.
Rising of land in Sweden, 363.
Roasting of copper ores, 374.

S.

Salines and salt springs in the Ohio valley, 26.
Salt, manufacture of, 117.
—— mountains of Ischil, 225.
—— rock, theory of, 115.
Sandstone, new red, of Massachusetts, bird tracks in, 307.
——— the matrix of diamond, 366.
——— rock, white, 92.
——— toad in, 353.
Saurian remains, Hawkins' collection of, 367.
Saurian remains, in the alum shale of England, 364.
Sewell mountains, 93.
Silicious slate of the Kenawha valley, 110.
Snakes, moulting of, 305.
——— viviparous, 304.
Sound, progress of, 350.
Steam engines, use of coal in, 351.
Strong, Prof. Theodore, on the parallelogram of forces, 345.
Sulphuret of iron in coal beds, 125.
Sulphur springs in Virginia, White and Red, 94, 96.
Sweden, gradual rising of parts of, 363.
Swedish journals, 375.

T.

Temperature of the ocean, 238.
Tilgate forest, birds in the strata of, 362.
Toad in sandstone, 353.
Topaz in Ireland, 374.
Transactions of the Geological Society of Pennsylvania, 391.
Trap dykes, 351.
Traun stein rock, 223.
Tygart's valley, topography of, 54.

V.

Vacuum, electricity retained in, 354.
Vaughan, Benjamin, obituary of, 395.
Vine, disease of, 367.
Volcanic eruption, 366.

W.

Water, currents in, 340.
——— spouts, 254.
Wheeling, coal deposits of, 80.
White Sulphur Spring, 94.
Woodruff, Judge S., notices of natural history, 304.

Y.

Yew tree, longevity of, 353.

Z.

Zodiacal light, 379.
Zoology, new works on, 165, 397.